

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

*-SWD  
-COG  
OPERATING  
229137*

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A] Lakewood SWD #2 30-015-40718  
 [A] Location - Spacing Unit - Simultaneous Dedication Amendment to SWD-1354  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

*POOL  
-SWD, CISC  
96099*

- [D] Other: Specify \_\_\_\_\_

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
 [B] ☐ Offset Operators, Leaseholders or Surface Owner  
 [C] ☐ Application is One Which Requires Published Legal Notice  
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F] ☐ Waivers are Attached

2014 OCT - 1 A 11:3  
RECEIVED OGD

- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

- [4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

Kanicia Castillo  
Print or Type Name


*KC*  
Signature

Lead Regulatory Analyst  
Title

9/24/14  
Date

kcastillo@concho.com  
e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance **X** Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval? \_\_\_\_\_ Yes \_\_\_\_\_ No
- II. OPERATOR: **COG Operating, LLC.**  
ADDRESS: **One Concho Center, 600 West Illinois Ave, Midland, TX 79701**  
CONTACT PARTY: **Kanicia Castillo** PHONE: **432-685-4332**
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? \_\_\_\_\_ Yes **X** No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed; —
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: **Kanicia Castillo** TITLE: **Lead Regulatory Analyst**  
SIGNATURE:  DATE: **9/24/2014**  
E-MAIL ADDRESS: **MFairchild@Concho.com**
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.  
Please show the date and circumstances of the earlier submittal: **Approved 9/7/12 SWD-1354**

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

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**NOTICE:** Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

## INJECTION WELL DATA SHEET

OPERATOR: **COG Operating, LLC.**WELL NAME & NUMBER: **Lakewood SWD #2**WELL LOCATION: **1470' FNL; 1980' FWL****F****9****T19S****R26E**

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC

\*Cement volumes will increase of those shown on this application to account for hole conditions unknown at this time.

WELL CONSTRUCTION DATASurface Casing

Well: Lakewood SWD #2

Location: 1470 FNL; 1980 FWL, Sec 9  
T19S, R26E, Eddy Co., NM

Hole Size: **12 1/4"**Casing Size: **9 5/8"**Cemented with: **400** sx.or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: **Surface**Method Determined: **Circulate**Intermediate Casing

Hole Size: \_\_\_\_\_

Casing Size: \_\_\_\_\_

Cemented with: \_\_\_\_\_ sx.

or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: \_\_\_\_\_

Method Determined: \_\_\_\_\_

Production CasingHole Size: **8 3/4"**Casing Size: **7"**Cemented with: **1,075** sx.or \_\_\_\_\_ ft<sup>3</sup>Top of Cement: **Surface**Method Determined: **Circulate**Total Depth: **8,400'**Injection Interval**7,720**

feet to

**8,000****Interval perforated**

(Perforated or Open Hole; indicate which)

9 5/8" @ 1,200'

7" @ 8,400'

## INJECTION WELL DATA SHEET

Tubing Size: **3 1/2" EUE** Lining Material: **Internally plastic coated**

Type of Packer: **Double grip type, set in neutral**

Packer Setting Depth: **no more than 100'** above top perf

Other Type of Tubing/Casing Seal (if applicable): **N/A**

### Additional Data

1. Is this a new well drilled for injection? **X** Yes \_\_\_\_\_ No \_\_\_\_\_

If no, for what purpose was the well originally drilled? \_\_\_\_\_

2. Name of the Injection Formation: **Cisco/Canyon**

3. Name of Field or Pool (if applicable): **SWD;Cisco 96099**

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_

**No, none**

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

**Yeso formation at approx. 2,630'**

State of New Mexico  
Energy, Minerals and Natural Resources Department

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Susana Martinez  
Governor

John Bemis  
Cabinet Secretary

Brett F. Woods, Ph.D.  
Deputy Cabinet Secretary

Jami Bailey  
Division Director  
Oil Conservation Division



Administrative Order SWD-1354  
September 7, 2012

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of 19.15.26.8B NMAC, COG Operating LLC seeks an administrative order to utilize its proposed Lakewood SWD Well No. 2 (API 30-015-NA) to be located 1470 feet from the North line and 1980 feet from the West line, Unit letter F of Section 9, Township 19 South, Range 26 East, NMPM, Eddy County, New Mexico, for produced water disposal purposes.

**THE DIVISION DIRECTOR FINDS THAT:**

The application has been duly filed under the provisions of 19.15.26.8B NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with 19.15.5.9 NMAC.

**IT IS THEREFORE ORDERED THAT:**

The applicant, COG Operating LLC, is hereby authorized to utilize its proposed Lakewood SWD Well No. 2 (API 30-015-NA) to be located 1470 feet from the North line and 1980 feet from the West line, Unit letter F of Section 9, Township 19 South, Range 26 East, NMPM, Eddy County, New Mexico, for disposal of oil field produced water (UIC Class II only) into the Canyon formation through a perforated interval from 7720 feet to 8000 feet through internally coated tubing and a packer set within 100 feet of the permitted interval.

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the disposed water enters only the proposed disposal interval and is not permitted to escape to other formations or onto the surface.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The well shall pass an initial mechanical integrity test ("MIT") prior to initially

commencing disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on the well shall be limited to **no more than 1544 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate-Test.

The operator shall notify the supervisor of the Division's district office of the date and time of the installation of disposal equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

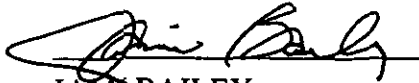
The injection authority granted under this order is not transferable except upon division approval. The division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

The division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two years after the effective date of this order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.



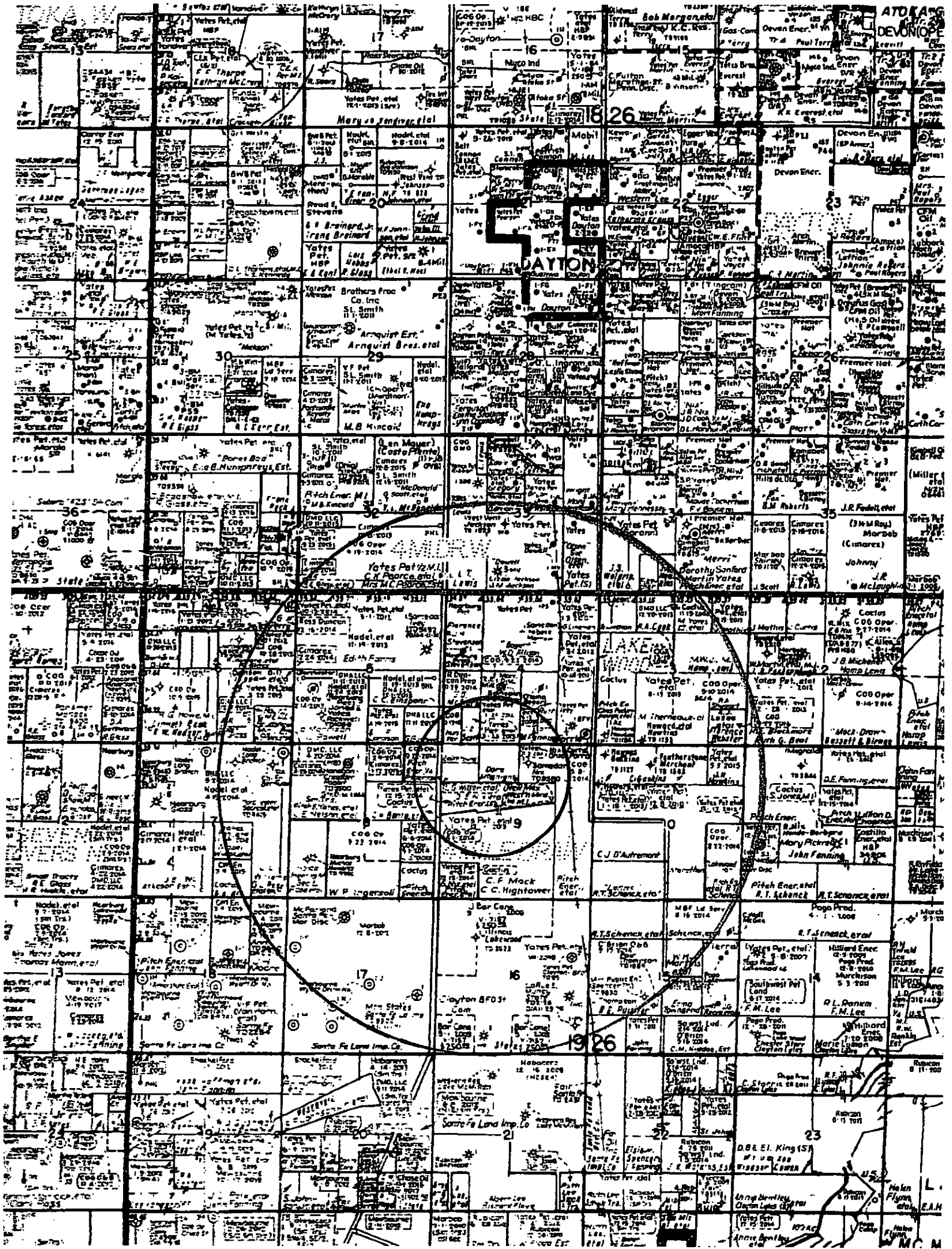
JAMP BAILEY

Director

JB/wvjj

cc: Oil Conservation Division – Artesia





DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brizos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40718	Pool Code 96099	Pool Name SWD;Cisco
Property Code 39088	Property Name LAKEWOOD SWD	Well Number 2
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3341'

Surface Location


UL or lot No. F	Section 9	Township 19-S	Range 26-E	Lot Idn	Feet from the 1470	North/South line NORTH	Feet from the 1980	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

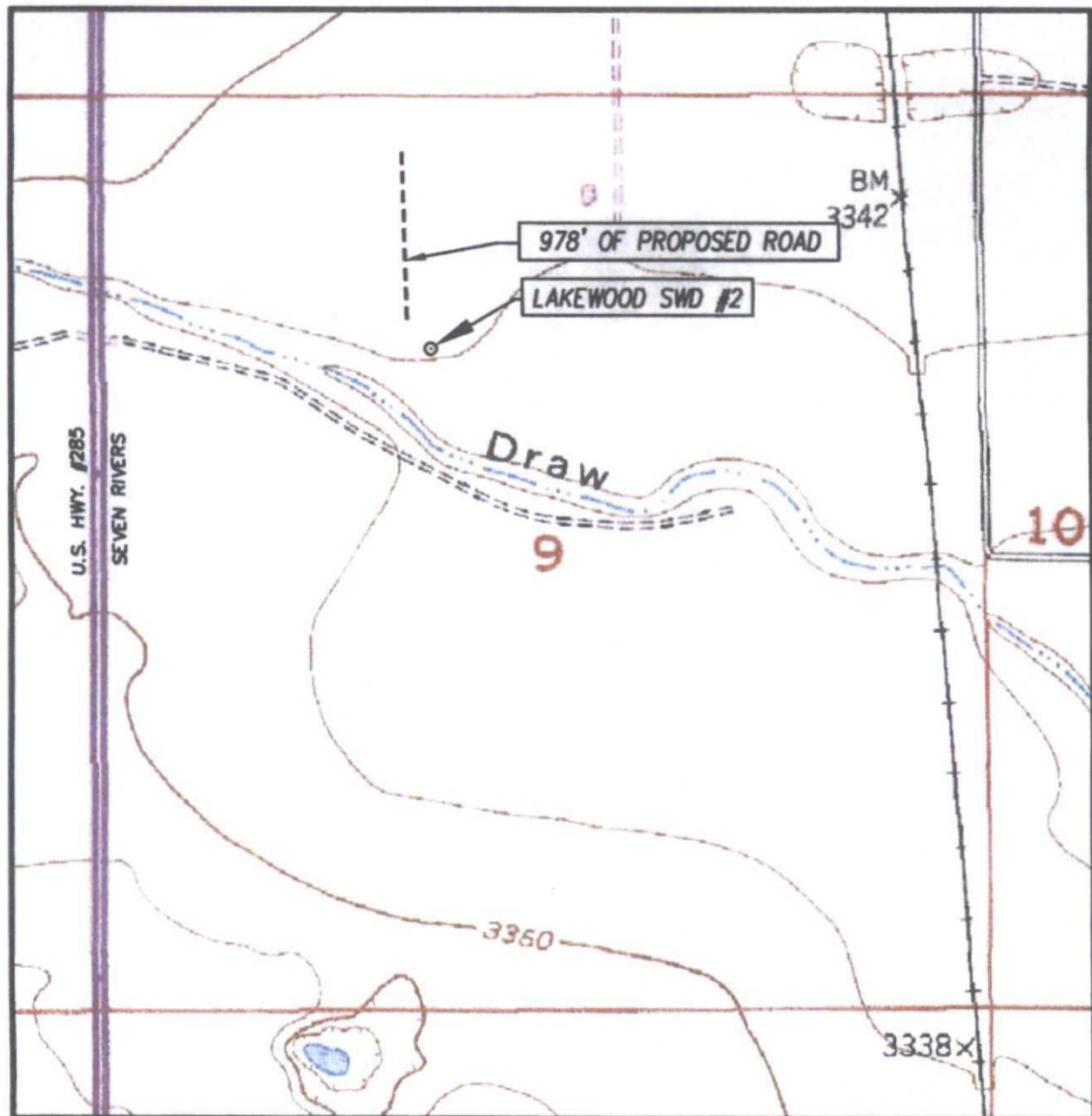
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p> 9/24/14</p> <p>Signature Date</p> <p>Kanicia Castillo</p> <p>Printed Name</p> <p>kcastillo@concho.com</p> <p>E-mail Address</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MARCH 01, 2012</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor:</p>
	<p>GEODETTIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=610517.8 N X=483009.6 E</p> <p>LAT.=32.678401° N LONG.=104.388552° W</p>
	<p>Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239</p> <p>ACR JWSC W.O.: 12.11.0269</p>

# LOCATION VERIFICATION MAP



SCALE: 1" = 1000'

CONTOUR INTERVAL:  
DAYTON, N.M. - 10'

SEC. 9 TWP. 19-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 1470' FNL & 1980' FWL

ELEVATION 3341'

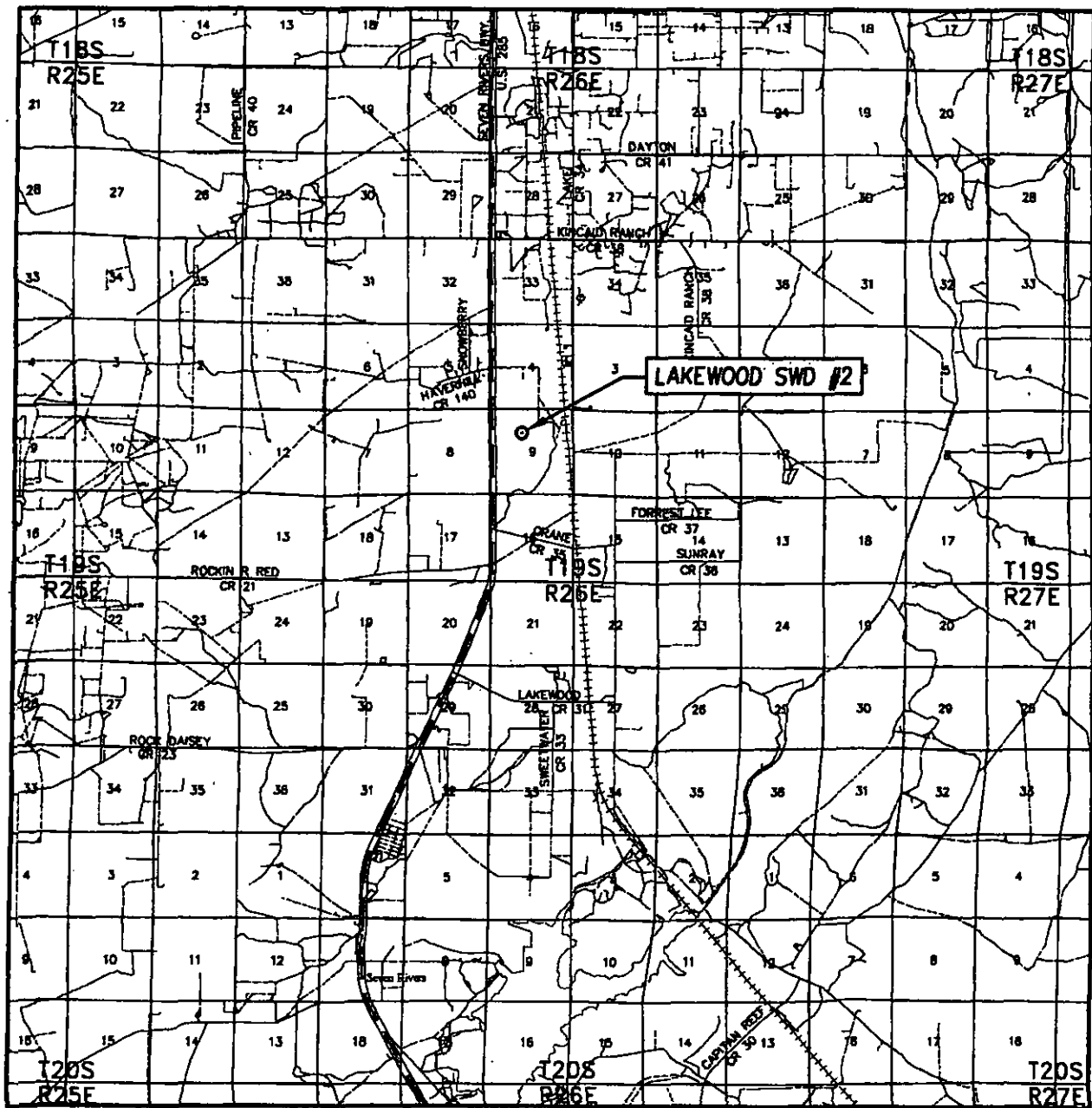
OPERATOR COG OPERATING, LLC

LEASE LAKEWOOD SWD

U.S.G.S. TOPOGRAPHIC MAP  
DAYTON, N.M.

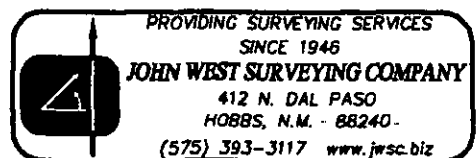
PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(575) 393-3117 www.jwsc.biz

# VICINITY MAP



SCALE: 1" = 2 MILES

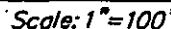
SEC. 9 TWP. 19-S RGE. 26-E  
 SURVEY N.M.P.M.  
 COUNTY EDDY STATE NEW MEXICO  
 DESCRIPTION 1470' FNL & 1980' FWL  
 ELEVATION 3341'  
 OPERATOR COG OPERATING, LLC  
 LEASE LAKEWOOD SWD



## NEW MEXICO

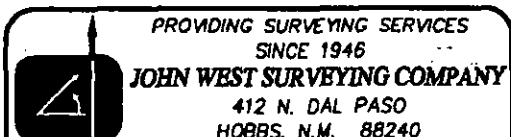


FROM THE INTERSECTION OF U.S. HWY. #285 (SEVEN RIVERS)  
AND CO. RD. #140 (HAVEN HILL), GO SOUTH ON U.S. HWY.  
#285 APPROX. 0.4 MILES TO STAKED RD. TURN LEFT AND GO  
EAST APPROX. 0.3 MILES. TURN RIGHT AND GO SOUTH APPROX.  
419 FEET TO THE NORTHWEST CORNER PAD OF STONEWALL 9  
FEE #2H. FROM THE SOUTHEAST CORNER OF PAD FOLLOW ROAD  
SURVEY SOUTH APPROX. 978 FEET TO THIS LOCATION.



**LAKEWOOD SWD #2 WELL  
LOCATED 1470 FEET FROM THE NORTH LINE  
AND 1980 FEET FROM THE WEST LINE OF SECTION 9,  
TOWNSHIP 19 SOUTH, RANGE 26 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO**

Drawn By: ACR



**COG Operating LLC****GEOLOGICAL PROGNOSIS**PRSPCT/FLD **Lakewood**  
COUNTY/STATE **Eddy Co., NM**WELL NAME **LAKEWOOD SWD #2**  
FOOTAGE CALLS: **2485' FNL & 705' FWL (SHL)****SEC 9 TWP 19S RGE 26E**

LEASE RESTRICTIONS

**Fee**LEASE NUMBER \_\_\_\_\_ WELL TYPE **VERTICAL SWD** PTD \_\_\_\_\_ ELEV **3365' (GL) EST.**

REFERENCE WELLS \_\_\_\_\_

FORMATION	MD/TVD	VIS/ WL	LITHOLOGY	PROD TYPE	DST
Queen	340'				
Grayburg	665'	Dolomite/Siltstone			
San Andres	1035'	Dolomite			
Glorieta	2640'	Siltstone			
Yeso	2685'	Dolomite	OIL		
Blinbry	3270'	Dolomite/Siltstone			
Wolfcamp	6275'				
Cisco	7245'				
Canyon	7720'	INJECTION ZONE			
Strawn	8440'		GAS		
TD (TVD)	8550'				
TOTAL DEPTH	8550'				

PREPARED BY: G. CLARK  
REVISED BY:DATE: 2/01/2012  
DATE:

WIRELINE EVALUATION

CORING &amp; TESTING

MUDLOGGING

LAND (Obligations &amp; Deadlines)



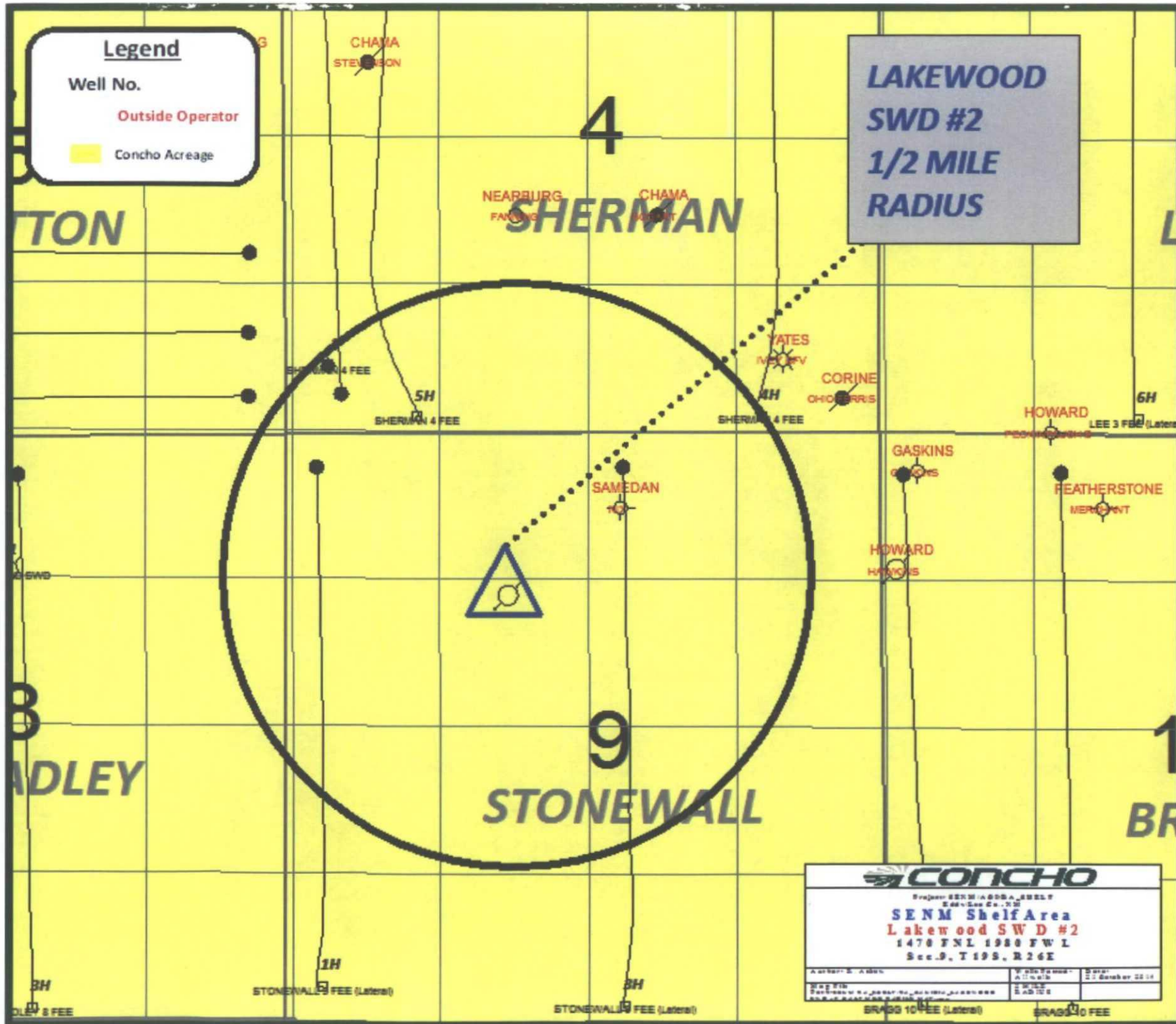
# Legend

Well No.

Outside Operator

Concho Acreage

**LAKEWOOD  
SWD #2  
1/2 MILE  
RADIUS**

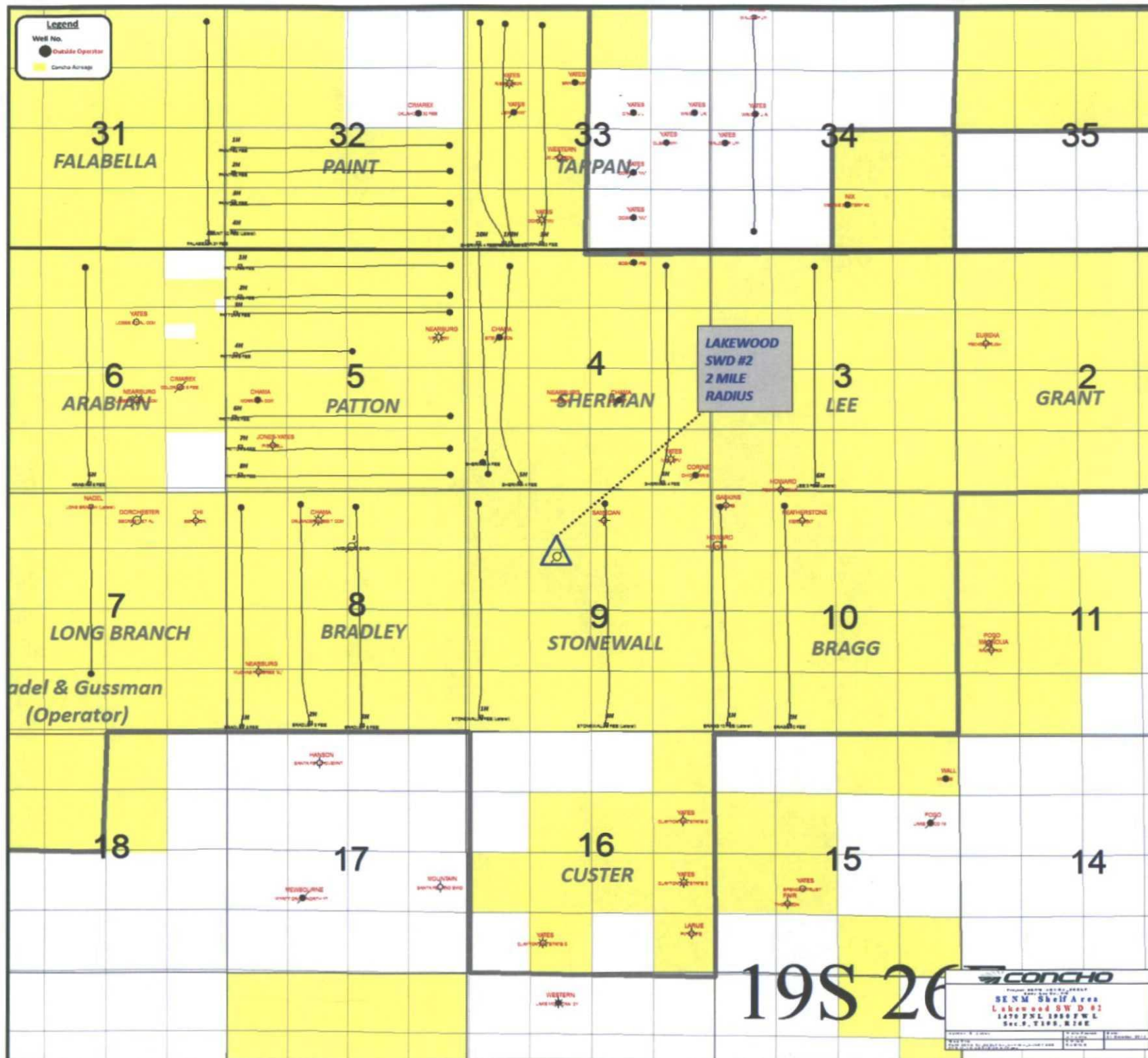


**CONCHO**

Project: SENM Shelf Area  
SWD #2  
**SENM Shelf Area  
Lakewood SWD #2**  
1476 FNL 1980 FWL  
Sec. 9, T 19S, R 26E

Author: S. A. GON	Field Notes: A. J. GON	Date: 2/2/2008
Drawn: S. A. GON	Scale: 1" = 1/4 mile	Sheet: 1 of 1
Checked: S. A. GON	Notes: See map for details	

BRADLEY 10 FEE (Later) BRADLEY 10 FEE





VI.

**Lakewood SWD #2**

**Wells within Area of Review that penetrate proposed disposal interval:**

None.

**Plugged Wells within Area of Review:**

API# 30-015-21319

Well Name: Nix

Property Number: 1

Location: B-9-19S-26E, 660 FNL & 2310 FEL

Lat: 32.6807507822 Long: -104.385930072

Operator: Samedan Oil Corp

County: Eddy

Well Type: Oil

The well above is located approximately ¼ mile away within the Area of Review. This well has a plug set in the open hole at 6500 feet and another plug at 8745 feet. Within this 6500 to 8745 feet depth range are the Wolfcamp formation and the Upper Pennsylvanian formations down to the top of the Strawn formation. COG believes re-entering and re-plugging this well is not necessary since the proposed disposal depths have much higher permeability and will preferentially take the disposed waters and these waters will not endanger mineral recovery from vertically adjacent formations. COG Operating LLC will cement to surface the long string of our proposed SWD Well. This cementing will also preclude movement of disposal fluids outside of the applied for disposal interval.

Please see attached wellbore diagram and cross section.

COG SENM SWD

Well: Samedan Oil Corp.

Location: B-9-19S, 26E, 660 FNL; 2310 FEL, Eddy Co. NM

API: 30-015-21319

10 sx Surface plug

45 sx plug @ 650'

45 sx plug @ 1200

8 5/8" @ 1153, cmt to surface

45 sx plug @ 1200

35 sx plug @ 2646

35 sx plug @ 4230

35 sx plug @ 6500

35 sx plug @ 8745

35 sx plug @ 9250

Open-Hole TD @ 9,580'

WC | Wolfcamp prod. in area - 1.5 mi SE  
Pools to closest pool  
NW Lake McMillan WC

WC connected

Strawn  
Four Mile  
One mile to west - Strawn  
help

Well Log

6505' Wolfcamp

7778' Canyon

8747' Strawn

**Exhibit VIII**  
Geological Review  
Ground Water Sources  
Lakewood Area  
Eddy County, New Mexico

The interval under consideration for disposal operations includes the Pennsylvanian age Canyon formation, located on the Northwest Shelf of the Delaware Basin in the western part of the Permian Basin. The Canyon formation consists of highly porous and permeable carbonate rock. There is no productive Canyon in this area and typically goes on vacuum with hydrostatic pressure.

The disposal interval will be the following:

**Lakewood SWD #2 (Canyon)**

- Canyon: 7,720' – 8,000' TVD

The Lakewood SWD #2 is a proposed new drill that will be drilled to a total measured depth of 8,400'. This will be sufficient depth to open log the disposal interval.

Ground water in Eddy County is obtained from porous and permeable aquifers in consolidated rocks of the Upper Permian and Triassic age and in relatively unconsolidated sediments of Tertiary and Quaternary age.

**COG SENM SWD Well Questionnaires**

**Date: 5/16/12**

**By: Mark A. Fairchild, Office: 432-686-3021**

**Note: Answers to questions in this color**

**What will be the well name?**

Lakewood SWD #2

**What logs have been/will be run in the well?**

Logs will be run as follows: porosity and resistivity

**How will you re-enter/drill/convert the well?**

The well will be drilled 100% with rotary tools.

**How will you test the mechanical integrity of the casing?**

A State of New Mexico supervised MIT test to 500 psig will be run on the tubing/casing annulus.

**What size tubing do you plan to use?**

The tubing will be 3 1/2" Nominal OD.

**How will tubing be internally lined?**

The tubing will be internally plastic coated.

**What type packer will be used?**

A nickel plated compression set packer will be utilized.

**Where will packer be set?**

To within 50 to 100' above casing shoe.

**Will there be any other type of casing/tubing seal?**

No.

**What is the fracture gradient?**

Approx 0.75

**Will the well be stimulated?**

Yes

**If yes, how will the well be stimulated?**

Large conventional acid job.

**Into what perforated intervals will you inject?**

Canyon Reef: 7,720 to 8000

What will be the average daily volume injected?

10-15,000 BWPB

What will be the maximum daily volume injected?

20, 000 BWPB

What will be the average injection pressure?

Vacuum

What will be the maximum injection pressure?

1572 psig

Will water be trucked or piped to the well?

Piped

What wells will dispose into it?

Various wells owned exclusively by COG on our SWD water line system

Any non-COG wells?

No outside operated water will be disposed of.

What surface facilities (e.g.; tanks, pumps, filters) will be installed?

4 - 750 Bbl water storage tanks, 1 - 1,000 Bbl Gun Barrel

2 - 500 Bbl steel tanks, 1 - 400 BHP H pump

Do you have an analysis of the produced water you plan to inject?

Yes

Do you have an analysis of the formation water into which you'll inject?

No, these well are on a vacuum and do not produce.

How will the geology prevent migration into fresh water zones (e.g., thickness of shale or salt layers)?

Various impervious geological barriers exist between the Cisco and the surface.

Will the system be open or closed?

Closed

The Triassic System overlies the Rustler formation in Eddy County and is composed of red beds and sandstones of the Dockum group. The lower part of these beds is considered Permian and correlated with Dewey Lake red beds by some geologists. The total thickness of the Dockum group east of Artesia is about 1,000'. Formations of the Dockum group exposed in Eddy County are the Pierce Canyon red beds, the Santa Rosa sandstone and red beds possibly from the Chinle formation.

In the Empire, Empire East, Loco Hills, and Fren Fields, the sandstone beds in the Triassic Dockum group and possibly in the Dewey Lake red beds are the chief sources of ground water. The depth to water in this area is generally less than 300'. Most of the wells in the outcrop area of the Dockum group yield water of better quality than the wells to the west that produce from the Rustler formation. Analyses were made of 21 samples of water from wells probably taking all or part of their water from the Triassic red beds. The hardness of calcium carbonate in the 21 samples ranged from 201 to 3,590 ppm and was more than 1,000 ppm in 14 of the 21 samples. The chloride content ranged from 17 to 785 ppm and was more than 200 ppm in 10 of the samples. Probably about half the wells in the Triassic red beds produce water that is considered usable for domestic purposes. None of the wells in the Triassic red beds produce water too highly mineralized for stock.

A review of all geologic map data and well as visual searches by field personnel did not indicate the presence of any windmills in the areas of review for the proposed conversions.

In summary, ground water in the Empire, Empire East, Loco Hills, and Fren areas for stock and domestic use can be obtained from wells in the Triassic red beds at depths up to 300'. Water is generally of fair quality but locally impotable. The injection intervals for the proposed conversions are in the Yeso group in the lower Permian age rocks at about 4,449' TVD to 4,554' TVD. No contamination of the known shallow potable ground waters is expected from the proposed deeper secondary operations due to over 3,500' of vertical separation between them. There was no indication of any use of ground water aquifers in the areas of reviews for the proposed conversions.

From Geology and Ground-Water Resources of Eddy County, New Mexico by G. E. Hendrickson and R. S. Jones. Ground-Water Report 3, New Mexico Bureau of Mines and Mineral Resources, 1952

IX.

COG Operating, LLC  
Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470' FNL & 1980' FWL  
Eddy County, NM

**Stimulation program:** Large conventional acid job.

X.

COG Operating, LLC  
Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470' FNL & 1980' FWL  
Eddy County, NM

**Logging and test data:** No test data. Logs will be filed at time of completion.

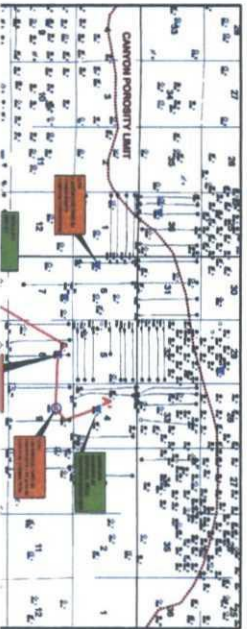
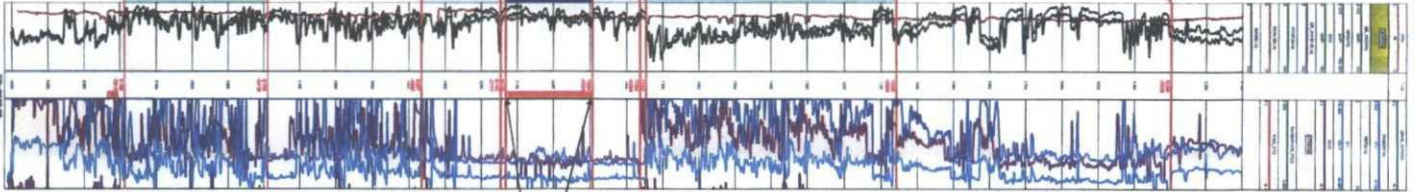
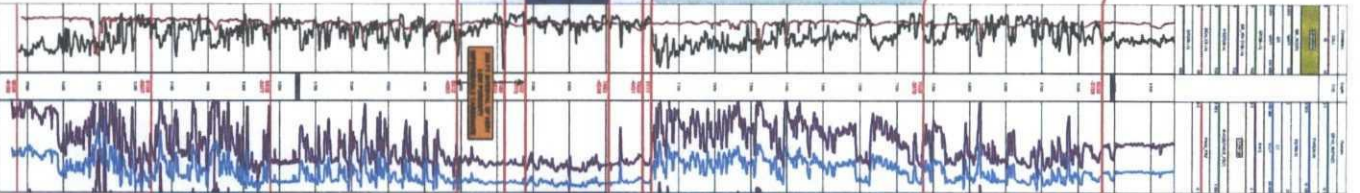
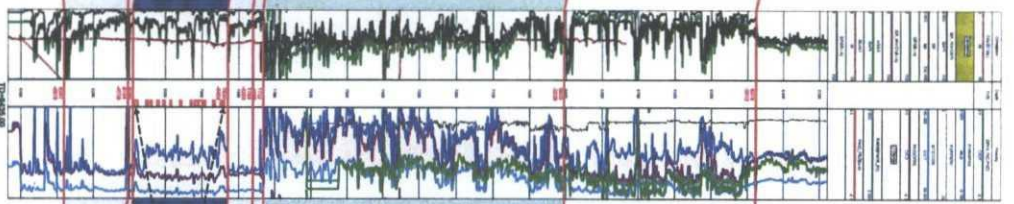
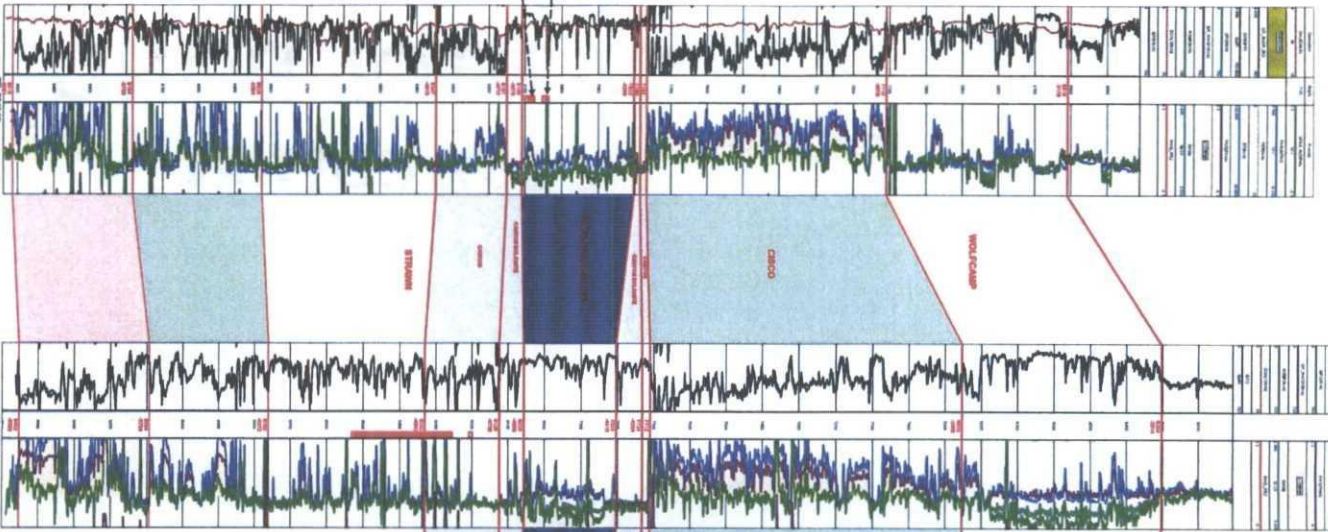


**Exhibit XII**  
**Geologic Statement**

Concho Resources has examined available geologic, seismic and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

A handwritten signature in black ink, appearing to read "G. Clark", is written over a horizontal line.

Greg Clark  
Senior Geologist  
432-221-0335



# Affidavit of Publication

No. 23198

State of New Mexico

County of Eddy

**Danny Scott**

being duly sworn, says that he is the

**Publisher**

of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

## Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/day on the same day as follows:

First Publication October 1, 2014

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

Fifth Publication \_\_\_\_\_

Sixth Publication \_\_\_\_\_

Subscribed and sworn before me this

1st day of October 2014



OFFICIAL SEAL  
Latisha Romine  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015

**Latisha Romine**

Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

## LEGAL NOTICE

COG Operating LLC is reapplying to drill the Lakewood SWD #2, as a water disposal well (SWD-1354). The well is located at 1470' FNL & 1980' FWL, Sec. 9, T19S, R26E, Eddy County, NM. The well will dispose of water produced from oil and gas wells into the Cisco/Canyon Reef zone at a depth of 7720' to 8000' at a maximum rate of 20,000 barrels of water per day and at a maximum pressure of 1572.5 psi. Interested parties must file objections with the NM Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, NM 87505, within 15 days. Additional information can be obtained by contacting Kanicia Castillo, COG Operating LLC, phone, number is 432-685-4332. Published in the Artesia Daily Press, Artesia, N.M., October 1, 2014 Legal No. 23198.



# Legend

Well No.

Outside Operator

Concho Acreage

Tract Ownership

**LAKEWOOD  
SWD #2  
1/2 MILE  
RADIUS**

NEARBURG  
FARM

CHAMA  
FARM

**SHERMAN**

11

13

12

14

16

15

YATES  
WELL

CORINE  
WELL

HOWARD  
WELL

GH

10

3

5

6

7

SAVEDAN  
WELL

GASKINS  
WELL

FEATHERSTONE  
WELL

HOWARD  
WELL

9

2

2

2

7

**B**

**ADLEY**

8

1

2

**9**

2

7

**STONEWALL**

**1**

**BR**

**CONCHO**

SENM Shelf Area  
Lakewood SWD #2  
1470 FNL 1988 FWL  
See S. T. 1988, 226X

WELL NO.	WELL NAME	WELL TYPE
11	YATES	W
12	CORINE	W
13	HOWARD	W
14	GASKINS	W
15	FEATHERSTONE	W
16	HOWARD	W
17	SAVEDAN	W

BRASS 10 FEE

BRASS 10 FEE

STONEWALL FEE (Lakewood)

STONEWALL FEE (Lakewood)

BRASS 10 FEE

## Tract Ownership Legend

Tract 1
COG Operating LLC
Concho Oil & Gas LLC
Sharbro Energy, LLC
Yates Industries, LLC
Yates Petroleum Corp
OXY Y-1 Company
Abo Petroleum Corp
MYCO Industries, Inc
Tract 2
COG Operating LLC
Yates Petroleum Corp
OXY Y-1 Company
Abo Petroleum Corp
MYCO Industries, inc
Tract 3
Yates Petroleum Corp
Tract 4
COG Operating LLC
Tract 5
COG Operating LLC
Yates Petroleum Corporation
Tract 6
COG Operating LLC
Concho Oil & Gas LLC
Yates Petroleum Corp
Yates Industries LLC
Sharbro Energy LLC
Wygocki Family Trust
Mark A. Hannifin, Trustee of the Hannifin Family Trust
Patrick J. Hannifin, Trustee of the P.J. Hannifin Family Trust
Nuevo Seis, Limited Partnership
Tract 7
COG Operating LLC
Yates Petroleum Corp
COG Operating LLC
Concho Oil&Gas LLC
Nuevo Seis

Yates Industries LLC
Sharbro Energy LLC
Tract 8
COG Operating LLC
Yates Petroleum Corp
OXY Y-1 Company
Abo Petroleum Corp
MYCO Industries, inc
Mary Frances Dolan
Tract 9
COG Operating LLC
Yates Petroleum Corp
Judson Properties, Ltd.
Tract 10
COG Operating LLC
Yates Petroleum Corp
Michael Sankey
Eight Energy, Inc.
Chester Russell
Loveta McKinstry Cumpsten
William J. McCaw
COG Operating LLC
Concho Oil & Gas LLC
James R. Lockhead
Roy I. Lockhead
Matthew Randell Vann
Mary Lou Giersch
Heirs of Rose Frances Bryant
Helen Leatherwood-Beaty
Tract 11
COG Operating LLC
DHA, L.L.C.
Yates Petroleum Corp
Marshall & Winston, Inc.
OXY Y-1 Company
Abo Petroleum Corp
MYCO Industries, inc
Tract 12
COG Operating LLC
Yates Petroleum Corp
Abo Petroleum Corp

OXY Y-1 Company
Tract 13
COG Operating LLC
Yates Petroleum Corp
Heirs or Devisees of Chester Hunter
Nelly Luisa Hunter, as her S&SP, and/or Nelly Luisa Hunter, as Trustee of the testamentary trust under the Last Will and Testament of Kenneth Hunter
Tract 14
COG Operating LLC
Yates Petroleum Corp
Abo Petroleum Corp
MYCO Industries, Inc
OXY Y-1 Company
Tract 15
COG Operating LLC
Yates Petroleum Corp
Abo Petroleum Corp
MYCO Industries, Inc
OXY Y-1 Company
Tract 16
COG Operating LLC
Yates Petroleum Corp
Abo Petroleum Corp
MYCO Industries, Inc
OXY Y-1 Company
E3 Energy , Otd.
TIG Properties, LP
OGX Production, LP
Ralphy L. Way and Barbara Way, his wife
DDDF Company, Inc.
Tract 17
Yates Petroleum Corp
Abo Petroleum Corp
MYCO Industries, Inc
OXY Y-1 Company



October 23, 2014

Abo Petroleum Corp  
105 Fourth Street  
Artesia, NM 88210

Certified Mail Article Number: 91 7199 9991 7033 5389 3533

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

To Whom It May Concern:

This letter will serve as notice under Rule 19.15.26.8B that COG Operating LLC has applied for a permit from the Oil Conservation Division in Santa Fe, NM for a new SWD well. We will be injecting, for the purpose of disposal, into the Cisco Reef. Perfs will be at 7,720' – 8,000'.

Should your company have any objection, it must be filed in writing within fifteen (15) days from the date of this notice. If the Oil Conservation Division determines the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, the telephone number is 505-476-3440.

COG Operating LLC respectfully requests you to indicate your approval by signing the attached waiver and returning a copy in the postage paid envelope provided or by emailing a signed copy to [kcastillo@concho.com](mailto:kcastillo@concho.com).

Sincerely,

A handwritten signature in black ink, appearing to read "K. Castillo", written over a horizontal line.

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

\_\_\_\_\_  
Enclosures: C-108 & Waiver



**CERTIFIED MAIL**

91 7199 9991 7033 5389 3533



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Abo Petroleum Corp  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

**SENDER: COMPLETE THIS SECTION**

- ☒ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- ☒ Print your name and address on the reverse so that we can return the card to you.
- ☒ Attach this card to the back of the mailpiece, or on the front if space permits.

**1. Article Addressed to:**

Abo Petroleum Corp  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

**2. Article Number***(Transfer from service label)***COMPLETE THIS SECTION ON DELIVERY****A. Signature****X**

- ☐ Agent  
☐ Addressee

**B. Received by (Printed Name)****C. Date of Delivery**

- D. Is delivery address different from item 1?** ☐ Yes  
If YES, enter delivery address below: ☐ No

**3. Service Type**

- ☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

**4. Restricted Delivery? (Extra Fee)**☐ Yes

91 7199 9991 7033 5389 3533



October 23, 2014

Chester Russell  
404 Myrtle Avenue  
Fairhope, AL 36532

Certified Mail Article Number: 91 7199 9991 7033 5389 3540

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
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SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

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91 7199 9991 7033 5389 3540



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Chester Russell  
404 Myrtle Avenue  
Fairhope, AL 36532

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404 Myrtle Avenue  
Fairhope, AL 36532

2. Article Number  
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4. Restricted Delivery? (Extra Fee)

☐ Yes



October 23, 2014

DDDF Company, Inc.  
P.O. Box 465  
Midland, TX 79702

Certified Mail Article Number: 91 7199 9991 7033 5389 3557

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3557



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

DDDF Company, Inc.  
P.O. Box 465  
Midland, TX 79702

**SENDER: COMPLETE THIS SECTION**

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DDDF Company, Inc.  
P.O. Box 465  
Midland, TX 79702

2. Article Number  
(Transfer from service label)

91 7199 9991 7033 5389 3557

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**X**☐ Agent  
☐ Addressee

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C. Date of Delivery

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☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes



October 23, 2014

DHA, L.L.C.  
500 W. Wall Street  
Suite 300  
Midland, TX 79701

Certified Mail Article Number: 91 7199 9991 7033 5389 3564

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

CERTIFIED MAIL

91 7199 9991 7033 5389 3564



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

DHA, L.L.C.  
500 W. Wall Street  
Suite 300  
Midland, TX 79701

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Suite 300  
Midland, TX 79701

2. Article Number  
(Transfer from service label)

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☐ Agent  
☐ Addressee

B. Received by (Printed Name)

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☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3564



October 23, 2014

E3 Energy, Ltd.  
P.O. Box 10508  
Midland, TX 79702

Certified Mail Article Number: 91 7199 9991 7033 5389 3571

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD; Cisco 96099  
Eddy County, New Mexico

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Sincerely,

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver



**CERTIFIED MAIL**

91 7199 9991 7033 5389 3571



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

E3 Energy, Ltd.  
Wendell W. Iverson  
P.O. Box 10508  
Midland, TX 79702

**SENDER: COMPLETE THIS SECTION**

- ☒ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- ☒ Print your name and address on the reverse so that we can return the card to you.
- ☒ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

E3 Energy, Ltd.  
Wendell W. Iverson  
P.O. Box 10508  
Midland, TX 79702

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**

☐ Agent  
☐ Addressee

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C. Date of Delivery

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If YES, enter delivery address below: ☐ No

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☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3571



October 23, 2014

Eight Energy, Inc.  
3300 N A Street  
Midland, TX 79705

Certified Mail Article Number: 91 7199 9991 7033 5389 3588

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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COG Operating LLC respectfully requests you to indicate your approval by signing the attached waiver and returning a copy in the postage paid envelope provided or by emailing a signed copy to [kcastillo@concho.com](mailto:kcastillo@concho.com).

Sincerely,

A handwritten signature in black ink, appearing to read "K. Castillo", written over a horizontal line.

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3588



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Eight Energy, Inc.  
3300 N A Street  
Midland, TX 79705

**SENDER: COMPLETE THIS SECTION**

- ☒ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- ☒ Print your name and address on the reverse so that we can return the card to you.
- ☒ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Eight Energy, Inc.  
3300 N A Street  
Midland, TX 79705

2. Article Number  
(Transfer from service label)

91 7199 9991 7033 5389 3588

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes



October 23, 2014

James R. Lochhead  
3500 Lincoln Dr. #41  
Phoenix, AZ 85018

Certified Mail Article Number: 91 7199 9991 7033 5389 3595

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

To Whom It May Concern:

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COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3595



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

James R. Lochhead  
3500 Lincoln Dr. #41  
Phoenix, AZ 85018

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**4. Restricted Delivery? (Extra Fee)**

☐ Yes

91 7199 9991 7033 5389 3595



October 23, 2014

Judson Properties, Ltd.  
P.O. Box 3340  
Midland, TX 79702

Certified Mail Article Number: 91 7199 9991 7033 5389 3601

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3601



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Judson Properties, Ltd.  
P.O. Box 3340  
Midland, TX 79702

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Judson Properties, Ltd.  
P.O. Box 3340  
Midland, TX 79702

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

- ☐ Agent  
☐ Addressee

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☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3601



October 23, 2014

Mark A. Hannifin  
Trustee of the Hannifin Family Trust  
P.O. Box 218  
Midland, TX 79702

Certified Mail Article Number: 91 7199 9991 7033 5389 3618

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver



**CERTIFIED MAIL**

91 7199 9991 7033 5389 3618



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Mark A. Hannifin  
Trustee of the Hannifin Family Trust  
P.O. Box 218  
Midland, TX 79702

**SENDER: COMPLETE THIS SECTION**

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Trustee of the Hannifin Family Trust  
P.O. Box 218  
Midland, TX 79702

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☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3618



October 23, 2014

Marshall & Winston, Inc.  
PO Box 50880  
Midland, TX 79710

Certified Mail Article Number: 91 7199 9991 7033 5389 3625

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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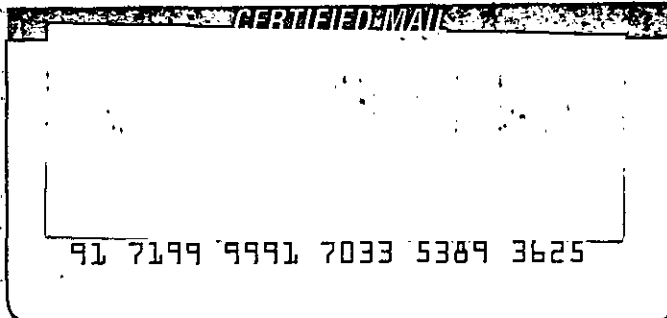
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Sincerely,

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Marshall & Winston, Inc.  
PO Box 50880  
Midland, TX 79710

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☐ Addressee

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☐ Registered ☐ Return Receipt for Merchandise

☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3625



October 23, 2014

Mary Frances Dolan  
11753 Lakeside Ave. NE  
Seattle, WA 98125

Certified Mail Article Number: 91 7199 9991 7033 5389 3748

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

A handwritten signature in black ink, appearing to read "K-C", written over a horizontal line.

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3748



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Mary Frances Dolan  
11753 Lakeside Ave. NE  
Seattle, WA 98125

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11753 Lakeside Ave. NE  
Seattle, WA 98125

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**

☐ Agent  
☐ Addressee

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☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3748



October 23, 2014

Mary Lou Giersch  
58 SW Pepper Tree Ln.  
Topeka, KS 66611-2091

Certified Mail Article Number: 91 7199 9991 7033 5389 3632

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
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SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3632



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Mary Lou Giersch  
58 SW Pepper Tree Lane  
Topeka, KS 66611-2091

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**X**

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☐ Addressee

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☐ Yes  
☐ No

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- ☒ Certified Mail
- ☐ Registered
- ☐ Insured Mail
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3632



October 23, 2014

Matthew Randell Vann  
658 Paradise Place  
Apt. 101  
Twin Falls, ID 83301

Certified Mail Article Number: 91 7199 9991 7033 5389 3649

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
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SWD;Cisco 96099  
Eddy County, New Mexico

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Lead Regulatory Analyst

Enclosures: C-108 & Waiver



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One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Matthew Randell Vann  
658 Paradise Place  
Apt. 101  
Twin Falls, ID 83301

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4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3649



October 23, 2014

Michael Sankey  
2003 Gwenda Dr.  
Carlsbad, NM 88220

Certified Mail Article Number: 91 7199 9991 7033 5389 3663

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
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SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3663



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Michael Sankey  
2003 Gwenda Drive  
Carlsbad, NM 88220

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Michael Sankey  
2003 Gwenda Drive  
Carlsbad, NM 88220

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**

☐ Agent  
☐ Addressee

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4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3663



October 23, 2014

MYCO Industries, Inc  
105 Fourth Street  
Artesia, NM 88210

Certified Mail Article Number: 91 7199 9991 7033 5389 3670

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
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SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3670



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

MYCO Industries, Inc  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

**SENDER: COMPLETE THIS SECTION**

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MYCO Industries, Inc  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

☐ Agent

☐ Addressee

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☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

91 7199 9991 7033 5389 3670



October 23, 2014

Nelly Luisa Hunter  
C/O Kenneth Hunter  
14621 Tarpon Drive  
Coral Gables, FL 33158

Certified Mail Article Number: 91 7199 9991 7033 5389 3687

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
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SWD;Cisco 96099  
Eddy County, New Mexico

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COG Operating LLC respectfully requests you to indicate your approval by signing the attached waiver and returning a copy in the postage paid envelope provided or by emailing a signed copy to [kcastillo@concho.com](mailto:kcastillo@concho.com).

Sincerely,

A handwritten signature in black ink, appearing to read "K. Castillo", written over a horizontal line.

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3687



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Nelly Luisa Hunter  
C/O Kenneth Hunter  
14621 Tarpon Drive  
Coral Gables, FL 33158

**SENDER: COMPLETE THIS SECTION**

- ☒ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- ☒ Print your name and address on the reverse so that we can return the card to you.
- ☒ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Nelly Luisa Hunter  
C/O Kenneth Hunter  
14621 Tarpon Drive  
Coral Gables, FL 33158

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**

☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3687



October 23, 2014

OGX Production, LP  
PO Box 2064  
Midland, TX 79701

Certified Mail Article Number: 91 7199 9991 7033 5389 3700

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

To Whom It May Concern:

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver



**VERIFIED MAIL**

91 7199 9991 7033 5389 3700



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

OGX Production, LP  
PO Box 2064  
Midland, TX 79701

**SENDER: COMPLETE THIS SECTION**

- ☒ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
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OGX Production, LP  
PO Box 2064  
Midland, TX 79701

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

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☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3700



October 23, 2014

Nuevo Seis, Limited Partnership  
P.O. Box 2588  
Roswell, NM 88202-2588

Certified Mail Article Number: 91 7199 9991 7033 5389 3694

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3694



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Nuevo Seis, Limited Partnership  
P.O. Box 2588  
Roswell, NM 88202-2588

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Nuevo Seis, Limited Partnership  
P.O. Box 2588  
Roswell, NM 88202-2588

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**

☐ Agent  
☐ Addressee

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☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3694



October 23, 2014

OXY Y-1 Company  
5 Greenway Plaza  
Suite 110  
Houston, TX 77046

Certified Mail Article Number: 91 7199 9991 7033 5389 3717

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

CERTIFIED MAIL

91 7199 9991 7033 5389 3717



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

OXY Y-1 Company  
5 Greenway Plaza  
Suite 110  
Houston, TX 77046

**SENDER: COMPLETE THIS SECTION**

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91 7199 9991 7033 5389 3717

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☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes



October 23, 2014

Patrick J. Hannifin  
Trustee of the P.J. Hannifin Family Trust  
1225 Gabriel Ln.  
Ft. Worth, TX 76116

Certified Mail Article Number: 91 7199 9991 7033 5389 3724

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3724



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Patrick J. Hannifin  
Trustee of the P.J. Hannifin Family Trust  
1225 Gabriel Lane  
Ft. Worth, TX 76116

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Trustee of the P.J. Hannifin Family Trust  
1225 Gabriel Lane  
Ft. Worth, TX 76116

2. Article Number  
(Transfer from service label)

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☐ Addressee

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☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3724



October 23, 2014

Ralph L. Way and Barbara Way  
306 W. Wall Street  
Suite 410  
Midland, TX 79701

Certified Mail Article Number: 91 7199 9991 7033 5389 3731

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver



**CERTIFIED MAIL**

91 7199 9991 7033 5389 3731



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Ralph L. Way and Barbara Way  
306 W. Wall Street  
Suite 410  
Midland, TX 79701

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Midland, TX 79701

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☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3731



October 23, 2014

Sharbro Energy LLC  
105 Fourth Street  
Artesia, NM 88210

Certified Mail Article Number: 91 7199 9991 7033 5389 3755

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3755



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Sharbro Energy LLC  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

**SENDER: COMPLETE THIS SECTION**

- ☒ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- ☒ Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

Sharbro Energy LLC  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**

☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

91 7199 9991 7033 5389 3755



October 23, 2014

TIG Properties, LP  
P.O. Box 10508  
Midland, TX 79702

Certified Mail Article Number: 91 7199 9991 7033 5389 3762

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3762



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

TIG Properties, LP  
Pam Burke  
P.O. Box 10508  
Midland, TX 79702

**SENDER: COMPLETE THIS SECTION**

- ☐ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
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TIG Properties, LP  
Pam Burke  
P.O. Box 10508  
Midland, TX 79702

2. Article Number  
(Transfer from service label)**COMPLETE THIS SECTION ON DELIVERY**

A. Signature ☐ Agent  
**X** ☒ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

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☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

91 7199 9991 7033 5389 3762



October 23, 2014

William J. McCaw  
P.O. Box 376  
Artesia, NM 88211

Certified Mail Article Number: 91 7199 9991 7033 5389 3779

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 5389 3779



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

William J. McCaw  
P.O. Box 376  
Artesia, NM 88211

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William J. McCaw  
P.O. Box 376  
Artesia, NM 88211

2. Article Number  
(Transfer from service label)

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A. Signature

**X**

☐ Agent  
☐ Addressee

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☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 5389 3779



October 23, 2014

Mr. William Wygocki  
Wygocki Family Trust  
721 Robins Road  
Lansing, MI 48917

Certified Mail Article Number: 91 7199 9991 7033 4975 0000

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver



**CERTIFIED MAIL**

91 7199 9991 7033 4975 0000



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Mr. William Wygocki  
Wygocki Family Trust  
721 Robins Road  
Lansing, MI 48917

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Lansing, MI 48917

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4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 4975 0000



October 23, 2014

Yates Industries LLC  
105 Fourth Street  
Artesia, NM 88210

Certified Mail Article Number: 91 7199 9991 7033 4975 9998

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

To Whom It May Concern:

This letter will serve as notice under Rule 19.15.26.8B that COG Operating LLC has applied for a permit from the Oil Conservation Division in Santa Fe, NM for a new SWD well. We will be injecting, for the purpose of disposal, into the Cisco Reef. Perfs will be at 7,720' – 8,000'.

Should your company have any objection, it must be filed in writing within fifteen (15) days from the date of this notice. If the Oil Conservation Division determines the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, the telephone number is 505-476-3440.

COG Operating LLC respectfully requests you to indicate your approval by signing the attached waiver and returning a copy in the postage paid envelope provided or by emailing a signed copy to [kcastillo@concho.com](mailto:kcastillo@concho.com).

Sincerely,

A handwritten signature in black ink, appearing to read "K. Castillo".

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 4974 9998



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Yates Industries LLC  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

**SENDER COMPLETE THIS SECTION**

- ☒ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- ☒ Print your name and address on the reverse so that we can return the card to you.
- ☒ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Yates Industries LLC  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

2. Article Number  
(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from Item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
- ☐ Registered ☐ Return Receipt for Merchandise
- ☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

91 7199 9991 7033 4974 9998



October 23, 2014

Yates Petroleum Corp  
105 Fourth Street  
Artesia, NM 88210

Certified Mail Article Number: 91 7199 9991 7033 4975 9981

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosures: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 4974 9981



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Yates Petroleum Corp  
Janet Richardson  
105 Fourth Street  
Artesia, NM 88210

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91 7199 9991 7033 4974 9981

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A. Signature

**X**

☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes



October 23, 2014

Robin K Nix  
3322 W Ohio Avenue  
Midland, TX 79703

Certified Mail Article Number: 91 7199 9991 7033 4974 9592

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst

Enclosure: C-108 & Waiver

**CERTIFIED MAIL**

91 7199 9991 7033 4974 9592



One Concho Center  
600 West Illinois Avenue  
Midland, Texas 79701

Robin K Nix  
3322 W Ohio Avenue  
Midland, TX 79703

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- ☒ Print your name and address on the reverse so that we can return the card to you.
- ☒ Attach this card to the back of the mailpiece, or on the front if space permits.

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Robin K Nix  
3322 W Ohio Avenue  
Midland, TX 79703

2. Article Number  
(Transfer from service label)

91 7199 9991 7033 4974 9592

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

☐ Agent  
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes



October 23, 2014

Roy I. Lockhead  
UNKNOWN ADDRESS

Certified Mail Article Number:

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst





October 23, 2014

Loveta McKinstry Cumpsten  
Deceased September of 1988

Certified Mail Article Number:

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst



October 23, 2014

Heirs of Rose Frances Bryant  
Unknown ADDRESS

Certified Mail Article Number:

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst



October 23, 2014

Heirs or Devisees of Chester Hunter  
Unknown ADDRESS

Certified Mail Article Number:

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst



October 23, 2014

Helen Leatherwood-Beaty  
Unknown ADDRESS

Certified Mail Article Number:

Re: SWD Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
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SWD;Cisco 96099  
Eddy County, New Mexico

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Sincerely,

Kanicia Castillo  
COG Operating LLC  
Lead Regulatory Analyst



RECEIVED OGD

October 27, 2014

2014 OCT 29 P 2:01

Kanicia Castillo  
COG Operating LLC  
One Concho Center  
600 W Illinois Avenue  
Midland, TX 79701

Phillip Goetze  
New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

RE: Saltwater Disposal Application

Lakewood SWD #2  
API# 30-015-40718  
F-9-19S-26E  
1470 FNL & 1980 FWL  
SWD;Cisco 96099  
Eddy County, New Mexico

Mr. Goetze:

I have attached an updated copy of our SWD application. I replaced the previous maps with updated maps and added the cross section and AOR notices.

Please contact me at 432-685-4332 or email at [kcastillo@concho.com](mailto:kcastillo@concho.com) if you need additional information.

Sincerely,

A handwritten signature in black ink, appearing to be "K. Castillo", written over a horizontal line.

Kanicia Castillo  
Lead Regulatory Analyst  
COG Operating LLC



**C-108 Review Checklist:** Received 10/01/14 Add. Request: --- Reply Date: --- Suspended: --- [Ver 15]

**ORDER TYPE:** WFX / PMX (SWD) Number: 1509 Permit Date: 12/1/14 Legacy Permits/Orders: SWD-1354

Well No. --- Well Name(s): Lakewood SWD New Number [order expired prior to injection - no extension submitted]

API: 30-0 15-40718 Spud Date: TBD New or Old: New (UIC Class II Primacy 03/07/1982)

Footages 1470 FNL / 1980 FWL Lot --- or Unit F Sec 9 Tsp 19S Rge 26 E County Eddy

General Location: Brown Artesian Cartwood / near 7 Rivers / North SWD; Cisco - Listed Pool No.: ---

BLM 100K Map: Artesia Operator: COG Operating LLC OGRID: 229137 Contact: K. Castillo

COMPLIANCE RULE 5.9: Total Wells: 3766 Inactive: 7 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? Yes Date: 12/1/14

WELL FILE REVIEWED ☒ Current Status: APD approved - same construction as SWD-1354

WELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☒ After Conv. ☒ Logs in Imaging: TBD

Planned Rehab Work to Well: Same construction design as original order

Well Construction Details		Sizes (in)	Setting	Cement	Cement Top and
		Borehole / Pipe	Depths (ft)	Sx or Cf	Determination Method
Planned <input checked="" type="checkbox"/> or Existing <u>---</u>	Surface	<u>12 1/4 / 9 5/8</u>	<u>Shallow Surface</u>	Stage Tool	
Planned <input type="checkbox"/> or Existing <u>---</u>	Interm/Prod		<u>Casing covers Artesian</u>		
Planned <input type="checkbox"/> or Existing <u>---</u>	Interm/Prod		<u>Same planned completion as SWD-1354</u>		
Planned <input type="checkbox"/> or Existing <u>---</u>	Prod/Liner				
Planned <input type="checkbox"/> or Existing <u>---</u>	Liner				
Planned <input checked="" type="checkbox"/> or Existing <u>---</u>	OH (PERF)		<u>(7720 to 8000)</u>	Inj Length <u>280'</u>	Completion/Operation Details:
Injection Lithostratigraphic Units:		Depths (ft)	Injection or Confining Units	Tops	
Adjacent Unit: Litho. Struc. Por.					Drilled TD <u>NA</u> PBTD <u>NA</u>
Confining Unit: Litho. Struc. Por.					NEW TD <u>8400</u> NEW PBTD <u>NA</u>
Proposed Inj Interval TOP:			<u>(Same as SWD-1354)</u>		NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Proposed Inj Interval BOTTOM:					Tubing Size <u>3 1/2</u> in. Inter Coated? <u>Yes</u>
Confining Unit: Litho. Struc. Por.					Proposed Packer Depth <u>&lt; 100'</u> ft
Adjacent Unit: Litho. Struc. Por.					Min. Packer Depth <u>7620</u> (100-ft limit)
					Proposed Max. Surface Press. <u>1572</u> psi
					Admin. Inj. Press. <u>1544</u> (0.2 psi per ft)
<b>AOR: Hydrologic and Geologic Information</b>					
POTASH: R-111-P <input checked="" type="checkbox"/> Noticed? <u>No</u> BLM Sec Order <u>16</u> WIPP <input checked="" type="checkbox"/> Noticed? <u>NA</u> SALT/SALADO T: <u>---</u> B: <u>---</u> CLIFF HOUSE <u>---</u>					
FRESH WATER: Aquifer <u>Roswell shallow / alluvial / alluvial 250'</u> Max Depth <u>art 41200</u> HYDRO AFFIRM STATEMENT By <u>Qualified Person</u> <input checked="" type="checkbox"/>					
NMOSE Basin: <u>Roswell Artesian</u> CAPITAN REEF: thru <input type="checkbox"/> adj <input type="checkbox"/> NAO <input checked="" type="checkbox"/> No. Wells within 1-Mile Radius? <u>16</u> FW Analysis <u>NA</u>					
Disposal Fluid: Formation Source(s) <u>Yeso Producers / BS &amp; WC</u> Analysis? <u>No - historical</u> Lease <input type="checkbox"/> Operator Only <input checked="" type="checkbox"/> or Commercial <input type="checkbox"/>					
Disposal Int: Inject Rate (Avg/Max BWPD): <u>10000/20000</u> Protectable Waters? <u>No</u> Source: <u>Historical</u> System: Closed <input checked="" type="checkbox"/> or Open <input type="checkbox"/>					
HC Potential: Producing Interval? <u>No</u> Formerly Producing? <u>No</u> Method: <u>Logs/DST/P&amp;A/Other</u> <u>area</u> <u>cross section</u> 3-Mile Radius Pool Map <input type="checkbox"/>					
AOR Wells: 1/2-M Radius Map? <u>Yes</u> Well List? <u>Yes</u> Total No. Wells Penetrating Interval: <u>1</u> Horizontals? <u>0</u>					
Penetrating Wells: No. Active Wells <u>0</u> Num Repairs? <u>0</u> on which well(s)? <u>---</u> Diagrams? <u>NA</u>					
Penetrating Wells: No. P&A Wells <u>1</u> Num Repairs? <u>0</u> on which well(s)? <u>Re-entry of open hole not feasible to re-plug brown hole</u> Diagrams? <u>Yes</u>					
NOTICE: Newspaper Date <u>10/1/2014</u> Mineral Owner <u>Fee</u> Surface Owner <u>Fee / Concho</u> N. Date <u>10/23/14</u>					
RULE 26.7(A): Identified Tracts? <u>Yes</u> Affected Persons: <u>13 Individuals + Estates / trusts / TIG Properties</u> N. Date <u>10/23/14</u>					

Order Conditions: Issues: None

Add Order Cond: No special requirements



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

No PODs found.

**POD Search:**

POD Basin: Jal wrong OSE basin

**Basin/County Search:**

County: Eddy

**PLSS Search:**

Section(s): 9

Township: 19S

Range: 26E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/30/12 9:24 AM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced  
and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)  
C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

(acre ft per annum)					C=the file is closed)					(quarters are smallest to largest)					(NAD83 UTM in meters)						
WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y	Distance		
RA 06813			DOM		3 KELLI M BUSH	CH	RA 06813		DTW: 97 ft; TD: 171 ft	Shallow	1	1	09	19S	26E		556883	3616056*		463	
RA 12107			SAN		1 TONY PENNINGTON	ED	RA 12107 POD1		Application only		2	2	4	08	19S	26E		556547	3615289		898
RA 04272			DOM		3 S. H. RABY	ED	RA 04272		DTW: 58 ft; TD: 102 ft	Shallow	2	4	4	05	19S	26E		556576	3616561*		1025
RA 06129			DOM		3 MARTIN O. LOPEZ	ED	RA 06129		DTW: 90 ft; TD: 125 ft	Shallow	4	4	05	19S	26E		556477	3616462*		1030	
RA 03579			OIL		0 JERRY CURTIS RALPH NIX	ED	RA 03579		Application only		4	4	4	04	19S	26E		558184	3616365*		1061
RA 06995			DOM		3 VERNON L. GALLOWAY	ED	RA 06995		DTW: 100 ft; TD: 150 ft	Shallow	1	4	04	19S	26E		557679	3616869*		1129	
RA 08567			DOM		3 ALVARADO MARTIN C	ED	RA 08567		DTW: 80 ft; TD: 264 ft	Shallow	1	4	4	05	19S	26E		556376	3616561*		1171
RA 07124			DOM		3 RUSSELL H. AND DONNA J. CLACK	CH	RA 07124		DTW: 94 ft; TD: 133 ft	Shallow	4	2	4	05	19S	26E		556571	3616765*		1185
RA 06588			STK		3 G. I. JOHNSON	ED	RA 06588		DTW: Unkn; TD: 200 ft	Shallow	4	3	4	05	19S	26E		556173	3616360*		1232
RA 03564			DOM		3 CHARLES T. GASKINS	ED	RA 03564		DTW: 70 ft; TD: 200 ft	Shallow	1	1	10	19S	26E		558491	3616060*		1238	
RA 01230			COM		48.99 H. G. HEAVENHILL	XX	RA 01230		WR consolidation	Artesian	1	1	3	04	19S	26E		556774	3616966*		1258
RA 03168			DOM		3 DMD LLC	ED	RA 03168		DTW: 70 ft; TD: 150 ft	Shallow	1	1	3	04	19S	26E		556774	3616966*		1258
RA 04628			PUB		0 SKOUSEN-HISE CONTRACTING CO.	ED	RA 04628		Application only		1	1	3	04	19S	26E		556774	3616966*		1258
RA 07239			DOM		3 CLIFTON B MANN JR	ED	RA 07239		DTW: 100 ft; TD: 191 ft	Shallow	2	4	05	19S	26E		556472	3616866*		1325	
RA 07324			DOM		3 RICKEY GALLOWAY	ED	RA 07324		DTW: 105 ft; TD: 150 ft	Shallow	2	4	04	19S	26E		558080	3616870*		1327	
RA 01215			IRR		311.5 LOPEZ HAY SALES LLC	ED	RA 01215 CLW		DTW: surface; TD: 1192 ft; active 1924 artesian irrigation well	Artesian	2	1	1	10	19S	26E		558590	3616159*		1357
						ED	RA 01215 CLWPU			Artesian	2	1	1	10	19S	26E		558590	3616159*		1357
RA 03118			DOM		3 CHAS T. GASKINS	ED	RA 03118		DTW: Unkn; TD: 195 ft	Shallow	2	1	1	10	19S	26E		558590	3616159*		1357

\*UTM location was derived from PLSS - see Help



(R=POD has been replaced  
and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)  
C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

(acre ft per annum)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y	Distance
RA 11313		DOL		0 ERNESTO C RIOS	ED	RA 11313 POD1		Expired permit		2	2	4	04	19S	26E	558217	3616956	1480
RA 10445		DOM		0 CLARISSA FRAMCO	ED	RA 10445		Expired permit	Shallow	2	2	17	19S	26E		556494	3614434*	1585
RA 08557		DOM		3 KYLE CHARLES	ED	RA 08557		DTW: 100; TD: 232 ft	Shallow	2	1	4	05	19S	26E	556169	3616964*	1597
RA 06986		DOM		3 THOMAS F. KILOUGH	ED	RA 06986		DTW: 165; TD: 195 ft	Shallow	1	4	05	19S	26E		556070	3616865*	1601
RA 07172		DOM		3 THOMAS F. KILOUGH	ED	RA 07172		DTW: 95; TD: 210 ft	Shallow	1	4	05	19S	26E		556070	3616865*	1601
RA 07181		DOM		0 THOMAS F. KILOUGH	ED	RA 07181		Expired permit		1	4	05	19S	26E		556070	3616865*	1601

Record Count: 24

POD Search:

POD Basin: Roswell Artesian

UTMNAD83 Radius Search (in meters):

Easting (X): 557277.14

Northing (Y): 3615812.9

Radius: 1609

Sorted by: Distance

**SUMMARY:** 16 wells within one-mile radius; one deep artesian well; 15 domestic or livestock; 9 wells in Sec. 5; water sample in NM Tech database

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/1/14 1:22 PM

Page 2 of 2

ACTIVE & INACTIVE POINTS OF DIVERSION